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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
W	3 5 6 2 9 1 1	02/1971	C.W. Walter, et al.			
W	3 8 4 4 9 2 0	10/1974	R.R. Burgett, et al.			
W	3 9 7 8 0 0 6	08/1976	B. Topp, et al.			
W	4 1 3 6 0 0 0	01/1979	D.C. Davis, et al.			
W	4 1 6 9 7 7 7	10/1979	C.T. Young, et al.			
W	4 1 8 6 0 7 1	01/1980	D.J. Romine, et al.			
W	4 2 5 3 9 3 4	03/1981	M. Berg, et al.			
W	4 2 9 4 6 6 8	10/1981	C.T. Young			
W	4 8 2 4 5 5 0	04/1989	E.L. Ker, et al			
W	4 8 9 7 1 7 4	01/1990	D.Y. Wang, et al.			
W	5 0 4 9 2 5 5	09/1991	M.J. Wolfe, et al.			
W	5 2 8 8 3 8 9	02/1994	T. Yamada, et al.			
W	5 4 4 3 7 1 1	08/1995	T. Kojima, et al.			
W	5 4 8 0 5 3 5	01/1996	H. Kondo, et al.			
W	4 4 1 8 0 9 9	11/1983	Cuevas, et al.			
W	5 2 8 1 6 3 5	01/1994	Bishop			
W	4 8 3 0 8 8 0	05/1989	Okubi, et al.			
W	4 7 4 1 8 1 6	05/1988	Nishio, et al.			
W	4 1 5 2 2 3 4	05/1979	Pollner			
W	5 7 1 6 5 0 7	02/1998	Tanaka, et al.			
W	4 2 2 5 6 3 4	09/1980	Tanaka, et al.			
W	4 1 9 9 4 2 5	04/1980	Sinkevitch			
W	3 4 0 0 0 5 4	09/1968	Ruka, et al.			
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W	3 9 7 8 0 0 6	08/1976	Topp, et al.			
W	5 4 7 2 5 9 1	12/1995	Saito, et al.			
W	4 4 7 7 4 8 7	10/1984	T. Kojima, et al			
W	5 5 2 0 7 8 9	05/1996	H. Takahashi, et al.			
W	5 9 8 9 6 2 4	11/1999	M. Kida, et al.			
W	5 9 4 8 2 2 5	09/1999	T. Katafuchi, et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
W	4 - 9 5 7 6 6	03/1992	Japan			Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

M		Vassell, et al., "Extended Range Air-To-Fuel Ratio Sensor", Passenger Car Meeting Dearborn, Michigan, October 1-4, 1984
M		Hetrick, et al., "Oxygen Sensing by Electrochemical Pumping", International Congress and Exposition, Cobo Hall, Detroit, Michigan, February 23-27, 1981
M		Hack's Chemical Dictionary, 4 th ed. (1969) page 7

EXAMINER M	DATE CONSIDERED 7-02
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